SHARUDO, I.I., kand. geologo-mineral. nauk, otv. red.; GORSKIY, I.I., glav. red.kart; MOKRINSKIY, V.V., zam. glav. red. kart.

[Reports at the Seventh Conference of the Interdepartmental Permanent Topical Commission on the Problem "Regularities in the Distribution of Coals in the Earth's Crust as a Basis for Prognosis in the Territory of the U.S.S.R."] Doklady Soveshchaniia mezhduvedomstvennoi postoiannoi tematicheskoi komissii po probleme "Zakonomernosti razmeshcheniia iskopaemykh uglei v zemnoi kore kak osnova dlia ikh prognoza na territorii SSSR." 7th, Moscow, 1960. Moskva, Izd-vo Akad. nauk SSSR, 1960. 133 p.
___ [Map of Permian coal in the territory of the U.S.S.R. at a scale of 1:5,000,000] Karta permskogo uglenakopleniia na territorii SSSR; masshtab 1:5 000 000. 1959. ___ [Map of Lower Mesozois $(T-J_2)$ coal in the territory of the U.S.S.R. at a scale of 1:5,000,000]Karta nizhnemezozoiskogo $(T-J_2)$ uglenakopleniia na territorii SSSR; masshtab 1:5 000 000. 1959. ___ [Map of the coal-bearing provinces of the U.S.S.R. at a scale of 1:5,000,000] Karta uglenosnykh provintsii SSSR; masshtab 1:5 000 000. 1959.
(MIRA 15:3)

1. Soveshchaniye Mezhduvedomstvennoy postoyannoy tematicheskoy komissii po probleme "Zakonomernosti razmeshcheniya iskopayemykh ugley v zemnoy kore kak osnova dlya ikh prognoza na territorii SSSR." 7th, Moscow, 1960.
(Coal geology—Maps)

GORSKIY, I.I.

International Congress on Coal Petrography and International
Congress on the Stratigraphy and Geology of the Carboniferous
held in Heerlen, Netherlands. Sov.geol. 2 no.3:152-159
Mr '59.   (MIRA 12:6)

1. Laboratoriya uglya AN SSSR.
                (Heerlen--Geology--Congresses)

BOGDANOV, A.A.; GORSKIY, I.I.; MURATOV, M.V.

Session on a tectonic map and a coal deposit map of Europe held in Paris, France, March 14-25, 1959. Sov. geol. 2 no.6:142-145 Je '59.
(MIRA 12:12)

1.Akademiya nauk SSSR, Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova i Moskovskiy geologorazvedochnyy institut im. S. Ordzhonikidze.
(Europe--Geology, Structural--Maps)
(Coal geology--Maps)

18(5), 11(7)   SOV/30-59-3-24/61

AUTHOR: Gorskiy, I. I., Corresponding Member, Academy of Sciences, USSR

TITLE: International Meeting of Geologists and Coal Experts
               (Mezhdunarodnyye vstrechi geologov-ugol'shchikov)

PERIODICAL: Vestnik Akademii nauk SSSR, 1959, Nr 3, pp 86-88 (USSR)

ABSTRACT: The I International Congress on Coal Petrography and the
               IV International Congress on the Stratigraphy and Geology of the
               Carboniferous were held in Heerlen, Netherlands, in Sep-
               tember 1958, which was attended by about 250 representatives
               of 21 countries. The Soviet delegation exhibited books and
               maps which later were presented to the Geological Bureau of
               the Netherlands on the occasion of its fiftieth anniversary.
               The main problems of the Congress on coal petrography dealt
               with general and applied coal petrography and Carboniferous
               sporology. The Soviet delegation reported on new directions
               of coal classification, on the formation of huge coal strata
               and on coal atlases of Soviet coal-fields. The great collective
               work "Atlasy ugley ugol'nykh basseynov SSSR" reportedly has
               excited special interest. At the IV International Congress on
Card 1/2   the Stratigraphy and Geology of the Carboniferous the delegates

                                                          I 15/14

International Meeting of Geologists and Coal Experts   SOV/30-59-3-24/61

discussed primarily the American suggestion concerning the
classification of the pit-coal system. Seventy reports were
delivered at the Congress. The Soviet delegation submitted
eleven reports devoted to geological problems of the Soviet
coal-mining industry, pit-coal deposits in the USSR and the
stratigraphy of the Carboniferous in the Donets Basin, which
reportedly raised much interest. During and after the Congress
the delegates made excursions.

Card 2/2

PRONIN, Aleksandr Alekseyevich; GORSKIY, I.I., otv.red.; SEMENOVA, Ye.A., red. izd-va; BLEYKH, E.Yu., tekhn.red.

[Carboniferous in the eastern slope of the Central Urals] Karbon Vostochnogo sklona Srednego Urala. Moskva, Izd-vo Akad.nauk SSSR, 1960. 228 p. (Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. Gorno-geologicheskii institut. Trudy, no.36)   (MIRA 13:12)

1. Chlen-korrespondent AN SSSR (for Gorskiy).
            (Ural Mountains--Geology)

SHATSKIY, Nikolay Sergeyevich, akademik, glav. red. [deceased];
    SMIRNOV, V.I., red.; SHCHERBAKOV, D.I., akademik, red.;
    GORSKIY, I.I., red.; DOLGOPOLOV, N.N., red.; PUSHCHAROV-
    SKIY, Yu.M., red.; SOKOLOV, O.A., red.; TUGOLESOV, D.A.,
    red. izd-va; KASHINA, P.S., tekhn. red.

    [Mineral distribution characteristics] Zakonomernosti raz-
    meshcheniia poleznykh iskopaemykh. Moskva, Vol.3. 1960. 651 p.
                                                    (MIRA 14:5)

    1. Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh
    nauk. Sovet po izucheniyu zakonomernostey razmeshcheniya po-
    leznykh iskopaemykh.
                        (Minerals)

BELYAYEVSKIY, N.A.; VAKHRAMEYEV, V.A.; GORSKIY I.I.; NALIVKIN, D.V.;
    OVECHKIN, N.K.; SOKOLOV, B.S.

Results of the All-China Stratigraphic Conference; Peking, November
13-21, 1959. Sov. geol. 3 no.2:149-160 F '60.   (MIRA 13:11)

1. Ministerstvo geologii i okhrany nedr SSSR AN SSSR.
            (China—Geology, Stratigraphic)

GORSKIY, I.I.

Coal-bearing regions in the U.S.S.R. Zakon.razm.polezn.iskop.
3:175-188 '60.   (MIRA 14:11)

1. Otdeleniye geologo-geograficheskikh nauk AN SSSR.
                    (Coal geology)

L'VOV, K.A.; POPOVICH, N.I.; SERGIYEVSKIY, V.M.;KONDIAYN, O.A.;
SPEPANOV, D.L.; GORSKIY, V.P.; BOYTSOVA, Ye.P.; BOGRETSOVA,
T.B.; GORSKIY, I.I., otv. red.; YEVSEYEV, K.P., otv. red.;
KRASNOV, I.I., red.; POKROVSKAYA, I.M., red.; DERZHAVINA, N.G.,
red.izd-va; GUROVA, O.A., tekhn. red.

[Resolutions of the Interdepartmental Conference on Working
out of Unified Stratigraphic Schemes for the Urals] Resheniia
mezhvedomstvennogo soveshchaniia po razrabotke unifitsirovan-
nykh stratigraficheskikh skhem dlia Urala. Rassmotreno i ut-
verzhdeno Mezhvedomstvennym stratigraficheskim komitetom 9 fev-
ralia 1960 g. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po
geol. i okhrane nedr, 1961. 50 p.   (MIRA 15:2)

1. Soveshchaniye po unifikatsii stratigraficheskikh skhem
Urala i po sootnosheniyu drevnikh svit Urala i Russkoy plat-
formy, Sverdlovsk, 1956.
        (Ural Mountains—Geology, Stratigraphic)

BETEKHTIN, A.G.; GORSKIY, I.I.; KARPOVA, Ye.D.; KREYTER, V.M.; SOBOLEV, V.S.

In memory of V.A.Nikolaev. Geol.rud.mestorozh. no.4:107-109
Jl-Ag '61.   (MIRA 14:10)
          (Nikolaev, Viktor Arsen'evich, 1893-1960)

BELYAYEVSKIY, N.A.; GORSKIY, I.I.

    Trends in and objectives of further stratigraphic studies.
    Sov.geol. 4 no.10:20-31 O '61.   (MIRA 14:11)

    1. Ministerstvo geologii i okhrany nedr i Akademiya nauk SSSR.
                (Geology, Stratigraphic)

GORSKIY, I.I.

"Coal atlas of the Caucasus" by B.I. Gudzhedzhiani and others.
Reviewed by I. I. Gorskii. Vest. AN SSSR 32 no.6:127-128 Je '62.
(MIRA 15:6)

1. Chlen-korrespondent Akademii nauk SSSR (for Gorskiy).
(Caucasus—Coal—Atlases)
(Gudzhedzhiani, B.I.) (Chichua, B.K.), (Petrovskiy, G.D.)
(Kometiani, G.A.) (Azmayparashvili, M.V.) (Avalishvili, E.Ye.)
(Mirziashvili, T.M.)

KELDYSH, M.V., akademik; FEDOROV, Ye.K., akademik; ARTSIMOVICH, L.A., akademik; SISAKYAN, N.F., akademik; GORSKIY, I.I.; KAPITSA, P.L.; FOK, V.A.; LANDAU, L.D.; LIFSHITS, Ye.M.; SHAL'NIKOV, A.I.; KHALATNIKOV, I.M.; ALEKSEYEVSKIY, N.Ye.; VAYNSHTEYN, L.A.; PALLADIN, A.V., akademik; SATPAYEV, K.I., akademik; AMBARTSUMYAN, V.A., akademik; KUPREVICH, V.F.; MUSKHELISHVILI, N.I., akademik; KARAKEYEV, K.K.; MUSTEL', E.R.; MASEVICH, A.G., doktor fiz.-matem.nauk; EFRON, K.M.; MARTYNOV, D.Ya., prof.; GRIGOR'YEV, A.A., akademik; MARKOV, K.K., prof.; GOLOVKOVA, A.G., prof.; FILATOVA, L.G., prof.; FEYVE, Ya.V.; SEMIKHATOV, B.N., prof.; TITOV, A.G.; RYCHAGOV, G.I.; BARSKAYA, V.F.; VLASOVA, A.A.; BARANOVA, Ye.P.; KIBARDINA, L.A.; ISACHENKO, A.F.; IL'INA, Yu.P.; DANILOV, A.I., prof.; PLAUDE, K.K.; NECHAYEVA, T.N., prof.; CHEPEK, L., doktor; SZANTO, Ladislav, akademik; BELACHIK, Yozef; FAN KLOK V'YEN; EYGENSON, M.S., prof. (L'vov); STARKOV, N.; ABRAMOVICH, Yu.; VOSKRESENSKIY, V.; KROPACHEV, A.; REZVOY, D., prof., (L'vov); KONDRAT'YEV, V.N., akademik; LEBEDINSKIY, V.I., kand.geol.-mineral.-nauk; YANSHIN, A.L., akademik

"Priroda" is 50 years old. Priroda 51 no.1:3-16 Ja '62.
(MIRA 15:1)

1. Prezident AN SSSR (for Keldysh). 2. Glavnyy uchenyy sekretar' Prezidiuma AN SSSR (for Fedorov). 3. Akademik-sekretar' Otdeleniya fiziko-matem.nauk AN SSSR (for Artsimovich). 4. Akademik-sekretar' Otdeleniya biologicheskikh nauk AN SSSR (for Sisakyan). 5. Chlen-korrespondent AN SSSR, zamestitel' akademika-sekretarya Otdeleniya
(Continued on next card)

VOLKOVA, I.B.; NALIVKIN, D.V.; SLATVINSKAYA, Ye.A.; BOGOMAZOV, V.M.;
GAVRILOVA, O.I.; GUREVICH, A.B.; MUDROV, A.M.; NIKOL'SKIY, V.M.;
OSHURKOVA, M.V.; PETRENKO, A.A.; POGREBITSKIY, Ye.O.; RITENBERG,
M.I.; BOCHKOVSKIY, F.A.; KIM, N.G.; LUSHCHIKHIN, G.M.; LYUBER,
A.A.; MAKEDONTSOV, A.V.; SENDERZON, E.M.; SINITSYN, V.M.; SHORIN,
V.P.; BELYANKIN, L.F.; VAL'TS, I.E.; VLASOV, V.M.; ISHINA, T.A.;
KONIVETS, V.I.; MARKOVICH, Ye.M.; MOKRINSKIY, V.V.; PROSVIRYAKOVA,
Z.P.; RADCHENKO, O.A.; SEMERIKOV, A.A.; FADDEYEVA, Z.I.; BUTOVA,
Ye.P.; VERBITSKAYA, Z.I.; DZENS-LITOVSKAYA, O.A.; DUBAR', G.P.;
IVANOV, N.V.; KARPOV, N.F.; KOLESNIKOV, Ch.M.; NEFED'YEV, L.P.;
POPOV, G.G.; SHTEMPEL', B.M.; KIRYUKOV, V.V.; LAVROV, V.V.;
SAL'NIKOV, B.A.; MONAKHOVA, L.P.[deceased]; MURATOV. M.V.;
GORSKIY, I.I., glav. red.; GUSEV, A.I., red.; MOLCHANOV, I.I.,
red.; TYZHNOV, A.V., red.; SHABAROV, N.V., red.; YAVORSKIY, V.I.,
red.; REYKHERT, L.A., red.izd-va; ZAMARAYEVA, R.A., tekhn. red

[Atlas of maps of coal deposits of the U.S.S.R.]Atlas kart ugle-
nakopleniia na territorii SSSR. Glav. red. I.I.Gorskii. Zam.
glav. red. V.V.Mokrinskii. Chleny red. kollegii: F.A.Bochkovskiy
i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 17 p.
                                    (MIRA 16:3)

1. Akademiya nauk SSSR. Laboratoriya geologii uglya. 2. Chlen-
korrespondent Akademii nauk SSSR (for Muratov).
                (Coal geology—Maps)

GORSKIY, I.I., otv. red.; BELYAYEVSKIY, N.A., doktor geol.-
min. nauk, zam. otv. red.; AFANAS'YEV, G.D., red.;
BOGDANOV, A.A., doktor geol.-min. nauk, red.; VOROB'YEVA, O.A.,
doktor geol.-min. nauk, red.; KATUSHENOK, I.I., kand. geol.-
min. nauk, red.; MENNER, V.V., doktor geol.-min. nauk, red.;
MENYAYLOV, A.A., doktor geol.-min. nauk, red.; SMIRNOV, V.I.,
akademik, red.; SHATALOV, Ye.T., doktor geol.-min. nauk, red.;
CHEPIKOVA, I.M., red. izd-va; TIKHOMIROVA, S.G., tekhn. red.

[Problems of geology at the 21st session of the International
Geological Congress] Problemy geologii na XXI sessii Mezhdu-
narodnogo geologicheskogo kongressa. Moskva, Izd-vo AN SSSR
1963. 446 p.   (MIRA 16:11)

1. Akademiya nauk SSSR. Natsional'nyy komitet geologov. 2. Chlen-
korrespondent AN SSSR (for Afanas'yev, Gorskiy).
                (Geology--Congresses)

BELYAYEVSKIY, N.A.; BOGDANOV, A.A.; GORSKIY, I.I.

Results of the current session of the International Commission
for the Geologic Map of The World. Sov. geol. 6 no.7:154-161
Jl '63.   (MIRA 16:8)

BELYAYEVSKIY, N.A.; GORSKIY, I.I.

First ordinary session of the Council of the International Union
of Geological Sciences. Sov. geol. 7 no.1:156-158 Ja '64.
(MIRA 17:5)

GORSKIY, I.I.

Congress on the Stratigraphy and Geology of Carbon held
in Paris. Vest. AN SSSR 34 no.5:107-109 My '64.

(MIRA 17:6)

1. Chlen-korrespondent AN SSSR.

GORSKIY, K.N., inzh.

Adjustment of the operation of wet-rod MP_VTI fly-ash collectors.
Elek.sta. 32 no.4:87-90 Ap '61.   (MIRA 14:7)
        (Scrubber (Chemical technology))

GORSKIY, K.I.

POPOV, V.A.; MOISEYEV, A.A.; BORODIN, M.Ya.; KONDRAT'YEVA, V.A.;
    GORSKIY, K.P.; KAZAKOVA, Z.I.; TROYAN, G.V.; DURASOVA, T.F.;

[Foam plastics and porous plastics] Penoplasty i poroplasty.
Moskva, Goskhimizdat, 1962. 30 p.   (MIRA 16:8)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR.
                    (Plastics)

PANSHIN, B.I.; POPOV, V.A.; FEDORENKO, A.G.; BUYANOV, G.I.; YEFIMOVA, V.S.;
    GORSKIY, K.P.

    Mechanical properties of plastic foams determining their efficiency
    as reinforcing fillers; efficiency of plastic foams in structures under
    static load conditions. Plast.massy no.12:31-35 '63.   (MIRA 17:2)

ESSION NR: AP4012191   S/0191/64/000/002/0039/0043

ORS: Panshin, B. I.; Popov, V. A.; Fedorenko, A. G.; Buyanov,
     G. I.; Yefimova, V. S.; Gorskiy, K. P.

Mechanical properties of foam plastics which determine
efficiency as pressure fillers; 2. Efficiency of foam plastics
in constructions during cyclic load operation

CE: Plasticheskiye massy*, no. 2, 1964, 39-43

TOPIC TAGS: pressure filler, mechanical properties, foam plastic,
construction, cyclic load, internal friction, fatigue strength, vi-
ration damping, noise control, vibration insulation, glass textolite

TRACT: The vibration proof and internal friction characteristics
ay an important role in the use of foam plastic in constructions
which were subjected to the effect of variable loads. The first
group of characteristics is particularly important during use of foam
plastic as a pressure filler, for example in three-layered panels
and films. The characteristics of the second group determine the
fatigue strength during damping of vibration of construction elements.

/2

ACCESSION NR: AP4012191

Good damping properties are also needed to provide noise control and vibration insulation for apparatus and conveying devices where accuracy and comfort are important factors. It was established experimentally that the heat aging factor of foam plastic affects the vibrational stability of three-layered panels (with glass textolite casings) at increased temperatures (up to 3000). It is not the fatigue of foam plastic which is limiting at high temperatures during elastic deformation but the change of its stability due to thermal destruction. In comparing amounts of logarithmic decrement of oscillation of foam plastic of various brands, the effect of the chemical nature of the original polymers was established. Formulas are given and experimental data is obtained for coefficients of mechanical losses of panels of a different construction with foam plastic filler. Comparison between foam plastics and vibration absorption materials of the "isol" type showed the competitive nature of foam plastic with respect to weight and damping properties. Orig. art. has: 5 Figures, 7 Equations.

ASSOCIATION: None

Card 2/2

SIDOROV, B. (Moskva); GORSKIY, L. (Kiyevskaya obl.); SEMENYUK, V.
    (Astrakhan!); YEREMENKO, V. (Chuguyev); BEZBORODOV, S. (Novosibirsk)

    Exchange of experience. Radio no.7:27, 58 Jl '63.
                                                        (MIRA 16:7)
            (No subject headings)

BELYAYEV, Leonid Mikhaylovich; GORSKIY, L.A., inzh., retsenzent;
PASHKOV, N.Ye., inzh., retsenzent; OSMINKIN, Ya.M., inzh.,
nauchn. red.; PENOVA, Ye.M., red.; KRYAKOVA, D.M., tekhn.red.

[Safety measures in knotting and splicing operations in
shipbuilding] Tekhnika bezoapsnosti pri takelazhnykh rabotakh
v sudostroenii. Leningrad, Sudpromgiz, 1963. 61 p.
                                        (MIRA 16:12)
   (Shipbuilding—Rigging) (Knots and splices)

GORSKIY, L.A. (Odessa, V-13, ul. Kotovskogo 207)

Role of the size of an intraocular tumor in its diagnosis using
radioactive phosphorus; experimental studies. Vop. onk. 10 no.9:
77-81 '64.   (MIRA 18:4)

1. Iz kafedry rentgenologii radiologii (zav. - prof. Ye.D.
Dubovyy) i kafedry glaznykh bolezney (zav. - prof. S.F.Kal'fa)
Odesskogo gosudarstvennogo meditsinskogo instituta imeni Pirogova
(rektor - zasluzhennyy deyatel' nauki UkrSSR prof. I.Ya.Deyneka).

GORSKIY, Lev Ivanovich; VLASOV, V.D., retsenzent; KNORRING, G.M., red.;
BOBOEVA, Te.M., tekhn.red.

[Electric apparatus and appliances in industrial enterprises]
Elektrokonstruktsii promyshlennykh predpriiatii. Moskva, Gos.
energ.izd-vo, 1959. 255 p.   (MIRA 12:12)
              (Electric apparatus and appliances)

SEMEKA, V.A.; GORSKIY, M.M., red.; VOLCHOK, K.M., tekhn. red.

[Establishing the rating certificates of ships] Sostavlenie
pasportnykh kharakteristik sudov, Leningrad, Vodtransizdat,
1954. 227 p.   (MIRA 16:8)
            (Ship trails)

GORSKIY, M.P.; ROGOVTSEV, S.Ye., ekon., retsenzent; PETRUSHEV, I.M., inzh.,
     red.; SMIRNOVA, G.V., tekhn. red.

    [Financial plan of a plant] Finansovyi plan zavoda. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 75 p.
                               (MIRA 14:11)

           (Machinery industry—Finance)

GORSKIY, Mikhail Vladimirovich; YUSHCHENKO, A.P., redaktor; ALEKSANDROVSKIY,
    V.V., retsenzent; VOLCHOK, K.M., tekhnicheskiy redaktor

    [Practical navigation] Prakticheskaia navigatsiia. Leningrad, Gos.
    izd-vo vodnogo transporta, Leningradskoe otd-nie, 1954. 119 p.
        (Navigation)   (MLRA 7:10)

GORSKIY, N.

Phosphorescent wheels. Starsh.-serezh. no.12:15 D '61.

(MIRA 15:3)

(Phosphorescence)

GORSKIY, N. A.

Kostroma breed of cattle on kolkhozes   Moskva, Gos. izd-vo sel'khoz. lit-ry, 1952. 169 p.

LEONOV, V.A. [Liaonau, V.A.], akademik; TERENT'YEVA, M.V. [TSyarents'yeva, M.V.], kand.sel'skokhoz.nauk; GORSKIY, N.A., kand.sel'skokhoz.nauk

Effect of trace elements on the yield and chemical composition of forage crops and the quality of livestock products. Vestsi AN BSSR. Ser. biial. nav. no.3:47-55 '60.   (MIRA 14:1)

1. AN BSSR (for Leonov).
                            (TRACE ELEMENTS)
   (WHITE RUSSIA—FORAGE PLANTS—FERTILIZERS AND MANURES)

SHVEDOV, V.P.; STEPANOV, A.V.; GORSKIY, N.I.

Study of the separation of strontium from the prevailing amounts of calcium by the method of continuous electrophoresis. Radiokhimiia 5 no. 6:690-694 '63.
(MIRA 17:7)

GORSKIY, N.N.

GORSKII, N. N. Vo l'dakh Kaspiia. /Moskva_/ Molodaia gvardiia, 1937. 155 p. DLC:
DK 511.CO7G6 1937   NN

SO: LC, Soviet Geography, Part I, 1951, Uncl.

G CRSKIY, N.N.

25159 Gorskiy, N.N. Promyslovye Prognozy I Promyslovaya Statistika. Ryb. Khoz - No,1949
       No. 8, C. 32-35

SO: Letopis' No. 33, 1949

GORSKIY, Nikolay Nikolayevich; GORSKAYA, Vera Ivanovna; SHALAGINA,
Valentina Kazimirovna; POGREBNAYA, L.L., red.; MURASHOVA, N.Ya.,
tekhn.red.

[German-Russian dictionary of oceanography] Nemetsko-russkii okeano-
graficheskii slovar'. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry,
1957. 240 p.   (MIRA 11:4)
        (German language--Dictionaries--Russian)
        (Oceanography--Dictionaries)

BREZHNEV, M.N.; GORSKIY, M.M., redaktor; VOLCHOK, K.M., tekhnicheskiy
redakter.

[Principal marine engines for inland navigation] Glavnye mekhanis-
my sudov vnutrennego plavaniia. Leningrad, Izd-vo Ministerstva
morskogo i rechnogo flota SSSR, 1953. 319 p.   (MLRA 7:7)
(Marine engines)

GORSKIY, MIKOLAY NIKOLAYEVICH.

GORSKIY, Nikolay Nikolayevich; GORSKAYA, Vera Ivanovna; LEPESHINSKAYA, Ye.V.,
red.; GAVRILOV, S.S., tekhn.red.

[English-Russian dictionary of oceanographical terms] Anglo-
russkii okeanograficheskii slovar'. Moskva, Gos.izd-vo tekhniko-
teoret. lit-ry, 1957. 292 p.   (MIRA 11:2)
        (English language--Dictionaries--Russian)
        (Oceanography--Dictionaries)

GORSKIY, Nikolay Nikolayevich; DMITRIYEVA, A.A., otv.red.; LIVSHITS, B.Kh., red.; VLADIMIROV, O.G., tekhn.red.

[The energy and mineral wealth of seas in the service of mankind]
Energiia i khimicheskie bogatstva morei na sluzhbe u cheloveka.
Leningrad, Gidrometeor.izd-vo, 1960. 96 p.   (MIRA 13:10)
        (Hydroelectric power)   (Sea water)
                (Tidal power)

GORSKIY, Nikolay Nikolayevich; USACHEV, P.I., otv.red.; LYUBIMOV, I.M.,
red.izd-va; TIKHOMIROVA, S.G., tekhn.red.

[Secrets of the ocean] Tainy okeana. Izd-vo Akad.nauk SSSR,
1960. 218 p.   (MIRA 13:5)
                         (Ocean)

GORSKIY, N.N.

Congress of the Geological Society in Wiesbaden.   Biul.Okean.kom.
no.6:75-76 '60.   (MIRA 14:7)
                    (Submarine geology—Congresses)

GORSKIY, N.N.

Oceanographic Committee of the United States. Biul.Okean.kom.
no.6:77 '60.   (MIRA 14:7)
            (United States—Oceanographic research)

GORSKIY, N.N.

Brief communications. Biul.Okean.kom. no.6:78-81 '60.   (MIRA 14:7)
(Oceanographic research)

GORSKIY, N.

Generous ocean. Starsh.-serzh. no.7:27-28 Jl '61.   (MIRA 14:9)
(Ocean)

GORSKIY, N.N.

Brief news. Biul. Okean kom. no.8:63-66 '61. (MIRA 15:1)
(Oceanographic research)

GORSKIY, N.N.

The ocean and its riddles. Geog. v shkole 26 no.3:18-27
My-Je '63.   (MIRA 16:6)
              (Oceanographic research)

GORSKIY, N.N.

The ocean as a reserve of natural resources. Geog. v shkole
26 no.5:24-32 S-O '63.   (MIRA 16:11)

GORSKIY, O.I.[Hors'kyi, O.I.], agronom; NASUSHKIN, A.I., inzh.;
ALEKSEYEVSKIY, Ye.Ye.[Alieksieievs'kyi, IE.IE.], red.;
IEFREMOV,M.V.,red.; GULENKO,O.I.[Hulenko,O.I.], tekhn. red.

[Let's transform bogs into fertile lands] Peretvorymo bolota
v rodiuchi zemli. Kyiv, Derzhsil'hospvydav URSR, 1960. 230 p.
(MIRA 16:5)

(Ukraine--Drainage)

AKIM, L.Ye., kand.tekhn.nauk; ZYRYANOVA, L.V., inzh.; GORSKIY, P.I.,
assistent

Use of surface active substances in the refining of viscose
pulp. Bum.prom. 34 no.9:5-7 S '59.   (MIRA 13:2)

1. Leningradskiy tekhnologicheskiy institut tsllyulozno-
bumashnoy promyshlennosti.
      (Woodpulp) (Surface active agents)

AKIM, L.Ye., kand.tekhn.nauk; ZHROZHEK, L.Ya., starshiy inzhener; GORSKIY, P.I.,
       starshiy inzhener

Use of optical and electron microscopes for studying bleached
commercial pulps. Trudy LTITSBP no.11:54-59 '62.   (MIRA 16:10)

AKIM, L.Ye.; ZBROZHEK, L.Ya.; GORSKIY, P.I.

Studying the micro- and submicrostructure of cotton cellulose for acetylation and of wood viscose cellulose. Trudy LTITSBP no.12:150-159 '64.

Studying the micro- and submicrostructure of rayon fibers used for chemical processing. Ibid.:160-166

(MIRA 18:8)

GORSKIY, P.V.

3560. GORSKIY, P.V. Osnovy Lesovodstva i Lesnoy Taksatsii Metod Ukazaniya
Dlya Studentov, Inzh.-Ekon Fak (Polesosagotovit. Spetsial'nosti) L. Izd-Vo
VZLTI, 1954. 36s. 20sm (M-Vo Vyssh. Obrazovaniya SSSR. Vsesoyuz. Zaoch
Lesotekhn In-t). 350 ekz. Bespl--(54-57707) 634.9 (071.4)

SO: Knizhnaya Letopis', Vol. 3, 1955

Gorskiy, P. V.

USSR/General Division. History. Classics.   A-2
                  Personalities.

Abs Jour   : Ref Zhur-Biologiya, No 20, 1957, 85043

Author   : P. V. Gorskiy, G. G. Samoylovich, P. M.
               Podduyev, A. V. Cheremushkin, V. S. Moiseyev

Inst   :

Title   : Professor Nikolay Vasil'yevich Tret'yakov,
               his Pedagogical, Scientific and Social
               Activities (on his 75th Birthday)

Orig Pub   : Tr. Leningr. lesotekhn. akad., 1956, vyp.
               73, 219-230

               Sylviculturist. See: RZhBiol, 1956, 43148

Abstract   : No abstract.

Card 1/1

USSR/Forestry - Forest Economy.   K-4

Abs Jour   : Ref Zhur - Biol., No 2, 1958, 5891

Author   : Gorskiy, P.V.

Inst   : Leningrad Forest Engineering Academy

Title   : Improvement in the Calculation of Wood and Timber Reserves
              in Forests of Industrial Significance.

Orig Pub   : Tr. Leningr. lesotekhn. akad., 1957, No 81, Part I, 75-79

Abstract   : No abstract.

Card 1/1

GORSKIY, Pavel Vasil'yevich; CHULKOV, V.N., red.; SVETLAYEVA, A.S., red.izd-va; GRECHISHCHEVA, V.I., tekhn. red.

[Manual on compiling tables] Rukovodstvo dlia sostavleniia tablits. Moskva, Goslesbumizdat, 1962. 93 p.

(MIRA 16:5)

(Forests and forestry--Tables and ready-reckoners)

MITROPOL'SKIY, Aristarkh Konstantinovich; ATRASHENOK, P.V.,
        dots., kand. fiz.-matem. nauk, retsenzent; GORSKII, P.V.,
        dots., kand. sel'khoz. nauk, retsenzent; OSIPOV, P.Ye.,
        dots., kand. tekhn. nauk, otv. red.; VASIL'YEVA, N.V., red.

        [Elements of mathematical statistics; a textbook for
        students of the Forestry Department] Elementy matematiche-
        skoi statistiki; uchebnoe posobie dlia studentov lesokho-
        ziaistvennogo fakul'teta. Leningrad, Leningr. lesotekhn.
        akad., 1965.   174 p.   (MIRA 18:11)

TRET'YAKOV, Nikolay Vasil'yevich; GORSKIY, Pavel Vasil'yevich;
    SAMOYLOVICH, Georgiy Georgiyevich

    [Manual for a timber cruiser; tables for forest valuation]
    Spravochnik taksatora; tablitsy dlia taksatsii lesa. 2.,
    perer. izd. Moskva, Lesnaia promyshlennost', 1965. 457 p.
                                        (MIRA 19:1)

IZMAYLOV, Ya.A.; ABBASOV, F.A.; GORSKIY, R.G.; ZEYNALOVA, T.,
        red.; BAGIROVA, S., tekhn. red.

        [Experimental apartment house made of vibrated concrete
        panels] Eksperimental'nyi zhiloi dom iz vibrokamennykh
        panelei. Baku, Azerbaidzhanskoe gos.izd-vo, 1963. 115 p.
                                            (MIRA 17:2)

GORSKIY, S.B.

Pills, prescriptions, profits. Zdorov'e 8 no.6:28-29 Je '62.

(MIRA 15:5)

(UNITED STATES—DRUG INDUSTRY)

GORSKIY, S. B.

      Poisoners. Zdorov'e 8 no.11:28   N '62.   (MIRA 15:10)

                   (DRUGS)

33219

S/141/61/004/006/005/017
E032/E114

9.9641

AUTHORS: Gorskiy, S.M., and Krotov, V.A.

TITLE: Some characteristics of atmospheric noise in the
range 2 - 25 cps

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
Radiofizika, v.4, no.6, 1961, 1025-1028

TEXT: The aim of this work was to investigate the intensity
and the spectral distribution of the vertical magnetic component
of the electromagnetic field associated with atmospheric noise in
the frequency range 2-25 cps. The measurements were carried out
in the Crimea. The atmospheric noise was received by a 5×10^4 m^2
horizontal frame antenna. The block diagram of the arrangement
is given in Fig.1. The amplifier had a symmetric input and an
asymmetric output. The maximum amplification coefficient was
2.5×10^5 and could be reduced by factors of 2.5 and 10
respectively. The amplified signals were recorded on magnetic
tape and could also be inspected visually on the screen of an
oscillograph. The minimum detectable signal was 2×10^{-10} oe.
It was found that the rms fluctuation in the magnetic component
Card 1/8 3

33219

Some characteristics of atmospheric... S/141/61/004/006/005/017
E032/E114

during October was 5×10^{-9} oe. The signals were also analysed
with an optical Fourier analyser with a resolution of 0.1 cps
(V.A. Zverev, Ye.F. Orlov, Ref.8; Pribory i tekhnika eksperimenta,
in press).
Fig.4 shows a typical spectrogram of atmospheric noise. The
spectrum is not flat; its intensity increases at lower wave-
lengths and there is a sharp line at 9 cps (roughly in the middle
of the picture). This line is ascribed to a cavity resonance,
in accordance with the suggestion put forward by W.O. Schumann
and H. König (Ref.9: Naturwiss., v.41, 183 (1954)). It is pointed
out that the line was not observed after sunset. Fig.5 shows the
spectral density of atmospheric noise averaged over 25 sets of
observations for September and October as a function of frequency.
The slight minimum between 5 and 10 cps is interpreted as the
boundary between the atmospheric noise spectrum and the
geomagnetic micropulsation spectrum. Acknowledgments are
expressed to V.A. Zverev and M.M. Kobrin for their valuable
suggestions.

Card 2/3

33219

Some characteristics of atmospheric...   S/141/61/004/006/005/017
E032/E114

There are 5 figures and 9 references: 3 Soviet-bloc and 6 non-
Soviet-bloc. The four most recent English language references
read as follows:
Ref.3: E.F. Pierce. J.Res.Nat.B.St., v.64-D, 4 (1960).
Ref.4: A.D. Watt, J.Res.Nat.B.St., v.64-9, 4 (1960).
Ref.6: W.H. Campbell, J.Res.Nat.B.St., v.64-D, 4 (1960).
Ref.7: Obayashi Tatsuzo, Rept.Ionos. Res. Japan, v.12, 3 (1958).

ASSOCIATION: Gor'kovskiy nauchno-issledovatel'skiy radiofizicheskiy
institut pri Gor'kovskom universitete
(Gor'kiy Scientific Research Radiophysics Institute
at Gor'kiy University)

SUBMITTED: April 14, 1961

Card 3/8 3

L 36269-65   EWT(1)   IJP(c)   S/0286/65/000/005/0089/0089
ACCESSION NR: AP5008223

AUTHORS: Gorskiy, S. M.; Zverev, V. A.

TITLE: Spectrometer, Class 42, No. 168939

SOURCE: Byulleten Izobreteniy i tovarnykh znakov, no. 5, 1965, 89

TOPIC TAGS: spectrometer, spectrum, infrared radiation, diffraction grating

ABSTRACT: This Author Certificate describes a spectrometer consisting of optical systems built according to the Michelson model, diffraction gratings, and a recording instrument. In front of this recorder two diffraction gratings are placed. They can be rotated in a counterclockwise direction. This is done to increase the sensitivity of the instrument in measuring the emission and absorption spectra in the visible as well as short-wave infrared regions.

ASSOCIATION: none

SUBMITTED: 05Mar62   ENCL: 000   SUB CODE: OP

NO REF SOV: 000   OTHER: 000

Card 1/1

KRASIL'NIKOV, Yakov Ivanovich; GORSKIY, S.P., inzh., retsenzent;
    KOVALENKO, A.V., inzh., red.; DUGINA, N.A., tekhn. red.

[Efficient layout of metals] Ratsional'nyi raskroi metalla.
Pod red. A.V.Kovalenko. Moskva, Mashgiz, 1961. 44 p.
                                        (MIRA 15:2)
            (Sheet-metal work)

GORSKIY, Stanislav Petrovich; AFONIN, V.A., inzh., retsenzent;
KON'KOV, A.S., dots., red.; DUGINA, N.A., tekhn. red.

[Steam-hammer forging] Svobodnaia kovka na pressakh. Pod
red. A.S.Kon'kova. Moskva, Gos. nauchno-tekhn. izd-vo
mashinostroit. lit-ry, 1961. 62 p. (Nauchno-populiarnaia
biblioteka rabochego kuznetsa, no.8)   (MIRA 15:3)
                        (Forging)
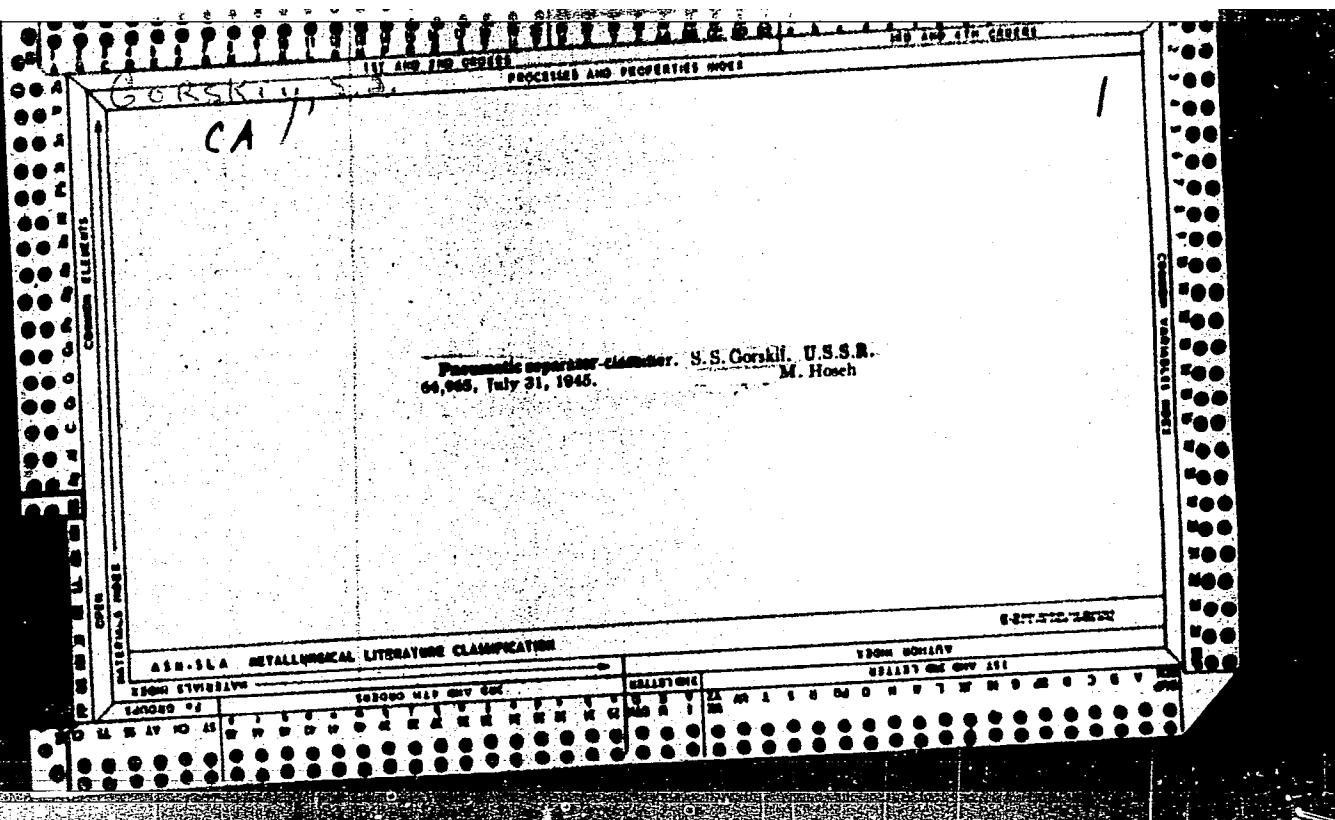
GORSKIY S.B.

CA 1

Pneumatic separator-classifier. S. S. Gorskii. U.S.S.R.
64,065, July 31, 1945.   M. Hosch

METALLURGICAL LITERATURE CLASSIFICATION
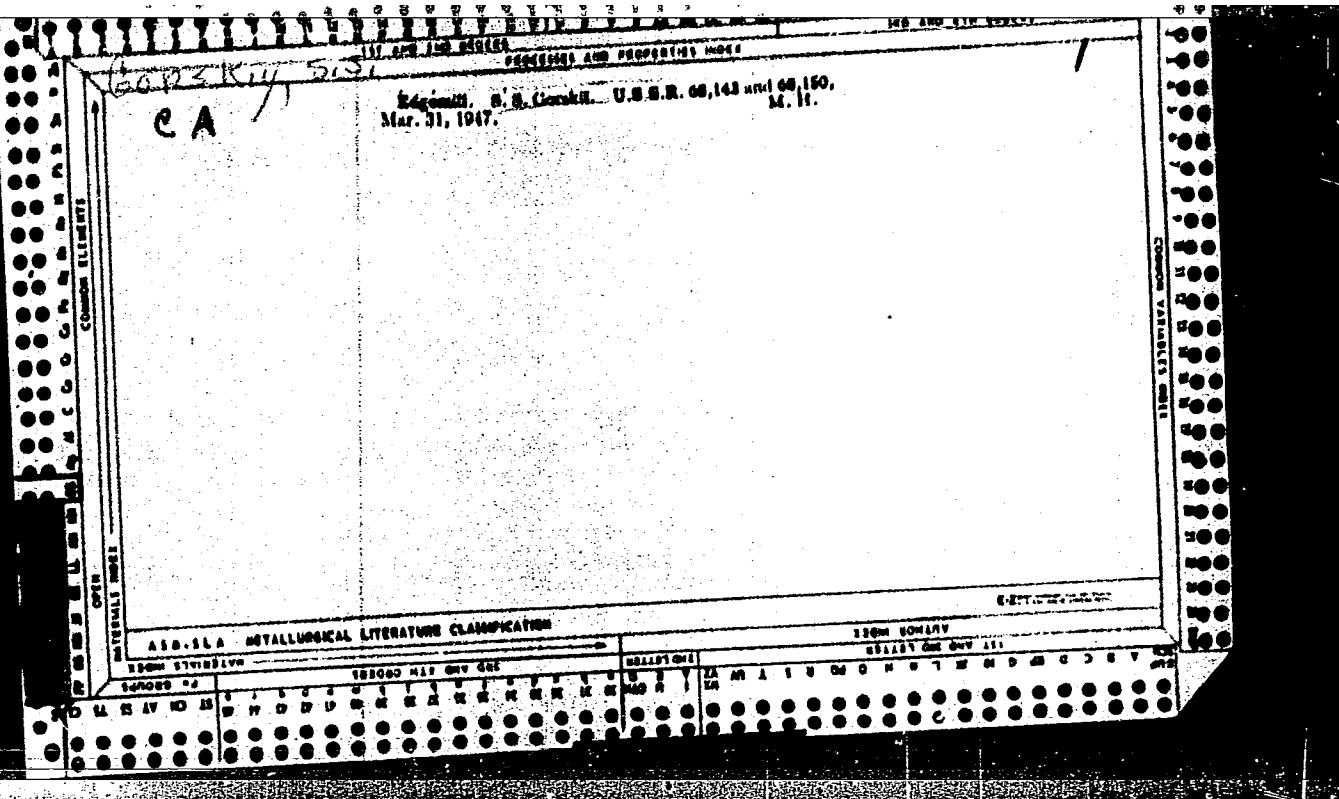
1. GORSKIY, G. S. Eng.,   POLENIN, V. I. Eng.

2. USSR (600)

4. Concrete, Prestressed

7. Manufacture of prestressed, reinforced concrete parts with multiple hollow spaces,
    Biul. stroi. tekh 10 no. 6, 1953

9. **Monthly List of Russian Accessions**, Library of Congress, __June__ 1953. Unclassified.

GORSKIY, S.S.,inzh.

Making large brick blocks on a portable jig.[Suggested by S.S. Gorskii.]. Rats. i izobr.predl. v stroi. no. 4:37-38 '57.
(MIRA 11:8)

1. Glavnyy mekhanik tresta Mosstroy No. 18, Moskva, 130, Novopodmoskovnaya ul. Korpus 1, d. 14 obshchestroitel'nogo territorial'nogo upravleniya No. 1 Glavmosstroya.
(Building blocks)

GORSKI, Tadeusz

Experimental studies on the metaplasia in the process of
epithelial keratosis of the rat uterus. Nowotwory 15 no.3:
217-225 Jl-S '65.

1. Z Institutu Onkologii w Gliwicach (Dyrektor: dr. med.
J. Swiecki).

GORSKIY, V.

International Symposium on Nondestructive Testing in Nuclear
Technology. Atom. energ. 19 no.3:317-318 S '65.

(MIRA 18:9)

GORSKIY, V.

Causes of increased thermoresistance in Paramecium caudatum during aggregation. Izv.AN Latv.SSR no.2:64-74 '64.   (MIRA 17:4)

1. Daugavpilsskiy pedagogicheskiy institut.

GORSKIY, V.

Men in blue overalls. Grazhd. av. 21 no.8:26-27 Ag '64.
                                              (MIRA 18:4)
1. Spetsial'nyy korrespondent zhurnala "Grazhdanskaya aviatsiya".

GORSKIY, V.

By a facilitated variant. Grazhd. av. 22 no.1:10-11 Ja '65.
(MIRA 18:11)

1. Spetsial'nyy korrespondent "Grazhdanskoy aviatsii".

GORSKIY, V.

Living water. Grazhd. av. 22 no. 11:14-15 N '65. (MIRA 18:12)

1. Spetsial'nyy korrespondent zhurnala "Grazhdanskaya aviatsiya".

L 13496-66   EWT(d)/EWT(1)/EWP(m)/EWT(m)/EWP(f)/EWA(d)/T-2/FCS(k)/EWA(c)/ETC(m)/EWA(1)

ABSTRACT: A series solution is obtained to the Chaplygin equation

$$4\tau^2(1-\tau)\frac{\partial^2\Psi}{\partial\tau^2}+4\tau[1+(\beta-1)\tau]\frac{\partial\Psi}{\partial\tau}+[1-(2\beta+1)\tau]\frac{\partial^2\Psi}{\partial H^2}=0 \qquad (1)$$

for a flow inside a Laval nozzle in the vicinity of the sonic line. Equation (1) is
transformed into

$$\eta\frac{\partial^2\Psi}{\partial\theta^2}+\frac{\partial^2\Psi}{\partial\eta^2}+b(\eta)\frac{\partial\Psi}{\partial\eta}=0 \text{ ,} \qquad (2)$$

using the Frankl' variable

$$\eta = \left(\frac{3}{4}\int \sqrt{\frac{1-(2\beta+1)\tau}{1-\tau}}\frac{d\tau}{\tau}\right)^{\frac{2}{3}} \qquad (3)$$

where

$$b(\eta) = \frac{2\beta(2\beta+1)\tau^2\cdot\sqrt{\eta}}{\sqrt{(1-\tau)[1-(2\beta+1)\tau]^3}} - \frac{1}{2\eta} \qquad (4)$$

Card 1/4

L 13496-66

ACC NR: AT6001784

The solution is carried out in the hodograph plane θ, η as a Cauchy problem with initial conditions

$$\theta = 0 \quad \text{1) } \psi = 0$$
$$\text{2) } \eta = f(x) \, . \tag{5}$$

Upon further transformation to a ρ, t coordinate system

$$\rho = \sqrt{\theta^2 + \tfrac{4}{9}\eta^3}, \quad t = \frac{\theta}{\rho} \, , \tag{6}$$

the Chaplygin equation takes the form

$$(1-t^2)\frac{\partial^2 \psi}{\partial t^2} - \frac{4}{3}t\frac{\partial \psi}{\partial t} + \rho^2\frac{\partial^2 \psi}{\partial \rho^2} + \frac{4}{3}\rho\frac{\partial \psi}{\partial \rho} = \left(t\frac{\partial \psi}{\partial t} - \rho\frac{\partial \psi}{\partial \rho}\right) \sum_{m=0}^{\infty} b_m \cdot$$
$$\cdot \left(\frac{3}{2}\right)^{\frac{2m-1}{3}} \cdot \rho^{\frac{2m+2}{3}} \cdot (1-t^2)^{\frac{m+1}{3}} \tag{7}$$

where the b_m are expansion coefficients of the function $b(\eta)$ in the vicinity of $\eta = 0$. The solution of the above equation is assumed to have the form

$$\psi(\rho, t) = \sum_{m=0}^{\infty} \rho^{\lambda + \frac{2}{3}m} \cdot f_m(t) \tag{8}$$

which leads to a set of infinite second order ordinary differential equations for the f_n. First, the values of the b_m are calculated up to b_3 for $0.5 \le M < 2.2$, and the results are tabulated. Next, the values of $f_3(t)$ and $f_4(t)$ are calculated using the

Card 2/4

L 13496-66

ACC NR: AT6001784

method of variation of arbitrary constants. The main effort is then concentrated on estimating $f_n(t)$ for arbitrarily large n. The solution for f_n is written in the form

$$f_n(t) = f_{n0}(t) + \sum_{\nu=0}^{n-1} \varphi_n{}^\nu(t)$$

$$f_{n0}(t) = A_n \cdot F\left(-\frac{\lambda}{2} - \frac{n}{3}, \frac{\lambda}{2} + \frac{n}{3} + \frac{1}{6}, \frac{1}{2}; t^2\right) +$$

$$+ B_n t F\left(-\frac{\lambda}{2} - \frac{n}{3} + \frac{1}{2}, \frac{\lambda}{2} + \frac{n+2}{3}, \frac{3}{2}; t^2\right) \qquad (9)$$

$$\varphi_n{}^\nu = \sum_{l=1}^{\frac{n-\nu+2}{3}} (1-t^2)^{\frac{n-\nu}{3} - l + 1} \cdot [(\alpha_{nl}{}^\nu \cdot f_{\nu0}(t) + \beta_{nl}{}^\nu \cdot t f'_{\nu0}(t)] \cdot,$$

and it is shown that this is a unique solution. The results of this analysis are then applied to the case of gas flow in Laval nozzles where $\lambda = 1/3$, and the Chaplygin solution takes the form

$$\Psi(\rho, t) = \rho^{k} f_0(t) + \rho^{\nu_1} f_1(t) + \rho^{\nu_2} f_2(t) + \rho^{\nu_3} f_3(t) + \rho^{\nu_4} f_4(t) + \ldots \qquad (10)$$

The solution of the stream function determines the flow field in the nozzle in regions 1, 2, and 7 of the hodograph plane (see Fig. 1) which is then transformed into the physical plane. Next, using the characteristic equations, the coordinates of the sonic line are calculated with the values of f_1, f_2, f_3. Finally, the modified solution of S. V. Falk'ovich to the Chaplygin equation is discussed in some detail. The author expresses his sincere thanks to S. V. Falk'ovich for formulating the problem and his

Card 3/4

L 13496-66
ACC NR: AT6001784
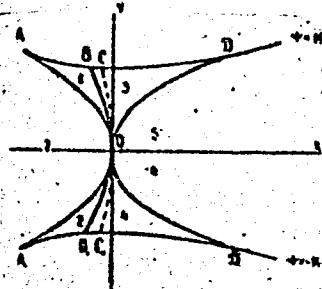
Fig. 1.

discussions. Orig. art. has: 76 equations, 2 figures, and 1 table.

SUB CODE: 20/ SUBM DATE: 21Jul64/ ORIG REF: 005

Card 4/4

ACCESSION NR: AP4039628   S/0140/64/000/003/0043/0050

AUTHOR: Gorskiy, V. B. (Saratov)

TITLE: Theory of a Laval nozzle with weak discontinuities

SOURCE: IVUZ. Matematika, no. 3, 1964, 43-50

TOPIC TAGS: Laval nozzle, weak discontinuity, Chaplygin equation, velocity distribution

ABSTRACT: Let η be some function of the velocity v, $\eta > 0$ for v$<$a$*$, $\eta < 0$ for v a$*$, $\eta = 0$ for v = a$*$, ψ is the flow function, Θ is the angle of deviation of the velocity vector to the x axis, b(η) is a function of velocity. Assume given two analytic functions $F_1(\eta)$, $F_2(\eta)$ along the axis of symmetry of the x nozzle. The author seeks a solution of

$$\eta\frac{\partial^2\psi}{\partial\Theta^2} + \frac{\partial^2\psi}{\partial\eta^2} + b(\eta)\frac{\partial\psi}{\partial\eta} = 0, \qquad (1)$$

Card 1/2

SUB CODE: AS,ME   NO REF SOV: 004

ENCL: 00

OTHER: 000

L 11640-66 EWT(d)/EWT(1)/EWP(m)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/T-2/EWP(k)/FCS(k)/EWA(h)/
ACC NR: AP6001821   SOURCE CODE: UR/0140/65/000/006/0063/0066
              ETC(m)/EWA(1)   IJP(c)   WW/EM

AUTHOR: Gorskiy, V. B. (Saratov)

ORG: none

TITLE: Synthesizing the nonshock nozzle with weak discontinuities

SOURCE: IVUZ. Matematika, no. 6, 1965, 63-66

TOPIC TAGS: nozzle design, nonshock nozzle, supersonic nozzle, Laval nozzle

ABSTRACT: It was proven in an author's previous work (IVUZ-Matematika, no. 3, pp. 43-50, 1964) that, along with a discontinuity of the first derivative with respect to velocity, discontinuities of higher derivatives arise in the nozzle center which should not exceed certain limits if nonshock flow is to be preserved. This article deals with a nonanalytical nozzle in which the fourth derivative has a discontinuity. A solution of this Chebyshev equation is sought: $\eta \dfrac{\partial^2 \psi}{\partial \theta^2} + \dfrac{\partial^2 \psi}{\partial \eta^2} + b(\eta) \dfrac{\partial \psi}{\partial \eta} = 0$; it is symmetrical with respect to the x-axis in the physical (x, y) plane and it satisfies these conditions:

Card 1/2   UDC: 517.9

L 11640-66

ACC NR: AP6001821

$$x = x_1(\eta) = a_{11}\eta + a_{21}\eta^2 + a_{31}\eta^3 + \cdots \quad \text{for } \eta > 0,$$

$$x = x_2(\eta) = a_{12}\eta + a_{22}\eta^2 + a_{32}\eta^3 + \cdots \quad \text{for } \eta < 0,$$

where $a_{11} = a_{12}$, $a_{21} = a_{22}$, $a_{31} = a_{32}$, but $a_{41} \neq a_{42}$; ψ is the current function. The solution of the above equation shows that the nonshock condition does not place any constraint (except being finite) on the discontinuity of $\partial^4 v/\partial x^4$. "The author wishes to thank S. V. Fal'kovich for his valuable comments and attention to this work." Orig. art. has: 15 formulas.

SUB CODE: 12, 01 SUBM DATE: 06Oct64

Card 2/2

ZHURAVLEV, P.Ya.; EFROS, D.I.; KUTENKO, Yu.V.; POKROVSKIY, V.A.; GRANAT, I.Ya.; MOROZENSKIY, L.I.; GORSKIY, V.B.

Influence of vacuum treatment and the conditions of steel deoxidation on the formation of surface defects in continuous ingots. Stal' 25 no.10:891-894 O '65.

(MIRA 18:11)

1. Gor'kovskiy mashinostroitel'nyy zavod.

GORSKIY, V.B. (Saratov)

Design of a shockless nozzle with weak discontinuities.
Izv.vys.ucheb.zav.; mat. no.6:63-66 '65.

(MIRA 19:1)

1. Submitted October 6, 1964.

L 29929-66   EWP(m)/EWP(k)/EWT(d)/EWT(1)/EWT(m)/T-2/EWP(w)/EWP(v)   IJP(c)   EM/WW

ACC NR: AR6006199   SOURCE CODE: UR/0124/65/000/010/B033/B034

AUTHOR: Gorskiy, V. B.

TITLE: Shockless gas flow in a Laval nozzle.

SOURCE: Ref. zh. Mekhanika, Abs. 10B242

REF SOURCE: Sb. Transzvuk. techeniya gaza. Saratov, Saratovsk, un-t,
1964, 22-62

TOPIC TAGS: gas flow, steady flow, adiabatic flow, Laval nozzle,
ideal gas

ABSTRACT: A plane, steady, laminar, and adiabatic flow of an ideal
gas in a Laval nozzle is studied. Such a flow is described by the
Chaplygin equation for any practical important distance from the sound
line. The Chaplygin equation is sought as an infinite series in which
the first member is the Tricomi equation. Unlike the straight problem
in the nozzle, when for the given walls the flow inside it is sought,
a semireverse problem has to be solved; the distribution of gas velocity
passing beyond the speed of sound along the axis of symmetry, considered
as the zero line of the flow in the form of an analytical function from

Card 1/2

L 29929-66

ACC NR: AR6006199   0

the coordinate. The flow outside the axis is sought. Two fixed lines
of the flow are assumed as the walls of nozzle.

Yu. N. Nesterova

SUB CODE: 20/ SUBM DATE: none

Card 2/2

ACC NR: AP6033144   SOURCE CODE: UR/0140/66/000/005/0059/0063

AUTHOR: Gorskiy, V. B. (Saratov)

ORG: none,

TITLE: Gas flow with a shock wave through a Laval nozzle

SOURCE: IVUZ. Matematika, no. 5, 1966, 59-63

TOPIC TAGS: nozzle design, nozzle flow, Laval nozzle, shock wave

ABSTRACT: A theoretical study was made of a shocked gas flow in a Laval nozzle. The analysis was based on finding the potential in the physical plane. Plane flow without vortexes in the vicinity of the nozzle axis was considered under the assumption that the flow velocity differs slightly from the critical velocity and makes small angles with the nozzle axis. This flow is described by the Karman equation:

$$-\frac{\partial \varphi}{\partial x}\frac{\partial^2 \varphi}{\partial x^2} + \frac{\partial^2 \varphi}{\partial y^2} = 0,$$

where φ is the dimensionless potential of the velocity deviation from the critical velocity. The potential along the axis of the nozzle and its derivative is given by the following conditions:

Card 1/4   UDC: 517.946

ACC NR: AP6033144

$$\text{at } y = 0 \begin{cases} \varphi = 2c_1 x^2, & \dfrac{\partial \varphi}{\partial y} = 0 \text{ for } x < 0, \\ \varphi = 2c_3 x^2, & \dfrac{\partial \varphi}{\partial y} = 0 \text{ for } x > 0, \end{cases}$$

where c_1, c_3 are arbitrary constants and $c_1 > 0$. The flow pattern is shown in Fig. 1. For the case where $c_3 \geq 0$ solutions were obtained for
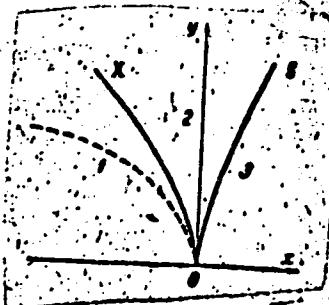

Fig. 1. Flow zones

X = Characteristic; S = compression shock; dotted line = sonic line.

Card   2/4

ACC NR: AP6033144

the intensity of the shock wave:

$$u_2 - u_1 = 8y^2(A^2 - c_1 A - 2c_3^2),$$

and the change in the inclination angle of the velocity at the shock wave:

$$v_2 - v_1 = 16y^3 A(A^2 - c_1 A - 2c_3^2).$$

Here, u, v are functions of ϕ, c_1, and c_3. These relationships are plotted in Fig. 2.
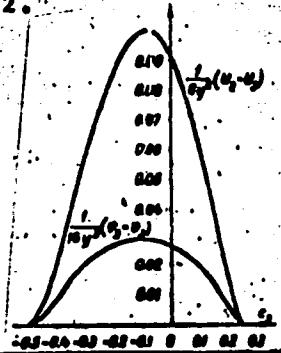

Fig. 2. Dependence of the intensity of the shock wave and inclination of the velocity at the shock wave on parameter c_3.

Card   3/4

ACC NR: AP6033144

The author thanks S. V. Falkonich for his valuable advice during the study.   Orig. art. has: 26 formulas and 3 figures.

SUB CODE: 21, 20 SUBM DATE: 07May65/ ORIG REF: 003/ OTH REF: 001/
ATD PRESS: 5102

Card   4/4

GORSKIY, V.G., inzh.

Design of rectangular three-dimensional boxes.   Rasch.na prochn.
no.2:124-141 '58.   (MIRA 12:2)
                    (Elastic plates and shells)

GORSKIY, V.G., inzh.

Calculating circular plates with variable thickness reinforced with annular ribs. Rasch.na prochn. no.7:231-274 '61. (MIRA 14:11)

(Elastic plates and shells)

30374

S/572/61/000/007/005/006
D221/D302

24.4200

AUTHOR: Gorskiy, V.G., Engineer

TITLE: The calculation of variable thickness plates, supported by ribs

SOURCE: Raschety na prochnost'; teoreticheskiye i eksperimental'nyye issledovaniya prochnosti mashinostroitel'nykh konstruktsiy. Sbornik statey. no. 7, 1961, 231 - 274

TEXT: The author expounds the method of calculating circular, variable thickness plates, joined to concentric rings and loaded with symmetrical bending forces, as well as with stresses in the central plane. Notwithstanding the generality of the problem, the final equations are compact. The variable pressure on the plate of Fig. 1 is approximated by a load distributed in steps, and the plate itself is replaced by a stepped profile. This allows the functions of radial displacements of the mean plane, as well as the angle of torsion of the normal for the equivalent constant section plate to be found. A circular plate of constant thickness

Card 1/4

30374

S/572/61/000/007/005/006
D221/D302

The calculation of variable ...

h, inside radius ρ, and outside radius R, is then analyzed. Some limita-
tions and ssumptions in the theory of bending are introduced, and the dif-
ferential equation of bending is deduced. The effect of load is expressed
by functions of φ which contain functions of ψ. The initial parameters
are determined from limit conditions. This is followed by a description of
a round disc of constant thickness h, made from a material D density, and
rotating at a constant angular speed ω. It is assumed that in addition to
the centrifugal forces of inertia, the disc is subject to radial force H_1,
that is uniformly distributed along the concentric rings. The author de-
monstrates the validity of function which characterizes the transversal de-
flexion of the circular plate for the calculations of the above. The equa-
tions of ring forces applied to the end of shells in the form of uniform-
ly distributed bending moments M_0 and radial efforts S_0 with radial dis-
placement ω_0 and angle of torsion of the normal of this section, α_0, are
required for calculating supported plates. The author considers a thin-
walled shell, to one end of which the above forces are applied, and mathe-
matical elaboration results in a set of equations. Then equations are de-
duced for calculating circular rings. This is followed by the analysis of

Card 2/4